

ATTORNEY DOCKET NO. DUNCAN 3-10-40

"Reply under 37 CFR 1.116  
--Expedited Procedure--  
Examining Group 2813 PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Julia C. Duncan, *et al.*

Serial No.: 09/997,650 ✓

Filed: November 28, 2001 ✓

Title: A SEMICONDUCTOR DEVICE HAVING AN INDIUM DOPED  
DIELECTRIC LAYER LOCATED THEREIN AND A METHOD  
OF MANUFACTURE THEREFOR

Grp./A.U.: 2813

Examiner: Hogans, David L.

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TECHNOLOGY CENTER 2800

Honorable Commissioner of Patents  
Washington, D.C. 20231

I hereby certify that this correspondence is being facsimile  
transmitted to the Patent and Trademark Office (Fax No.  
(703) 308-7724) on March 19, 2003.

Elizabeth Schumacher  
Typed or printed name of person signing this certificate

Signature

AMENDMENT UNDER 37 C.F.R. § 1.116

In response to the Examiner's Action mailed February 11, 2003, please amend the above-  
identified application as follows:

IN THE CLAIMS:

(1) Kindly amend Claim 9 as follows:

9. (Twice Amended) A method of manufacturing a semiconductor device,  
comprising:  
creating a semiconductor substrate;

B1  
Cont.

forming an active region over the semiconductor substrate; and  
forming an indium doped dielectric layer over at least a portion of the active region,  
wherein the indium doped dielectric layer has an indium concentration ranging from about 1 mole  
weight percent to about 15 mole weight percent.

(2) Kindly cancel Claim 14 without prejudice or disclaimer.

(3) Kindly amend Claim 15 as follows:

B2

15. (Amended) The method as recited in Claim 9 wherein forming an indium doped  
dielectric layer includes forming an indium doped dielectric layer using a manufacturing process  
selected from the group consisting of a physical vapor deposition process or a chemical vapor  
deposition process.

### REMARKS/ARGUMENTS

The Applicants have carefully considered this application in connection with the  
Examiner's Action and respectfully request reconsideration of this application in view of the  
foregoing amendment and the following remarks.

The Applicants originally submitted Claims 1-20 in the application. In a previous response  
to an Election Requirement, the Applicants elected to pursue Claims 9-17 and canceled Claims 1-8,  
13 and 18-20. Presently, the Applicants have amended Claims 9 and 15 and have canceled Claim  
14. No other claims have been amended, canceled nor added by the Applicants. Accordingly,  
Claims 9-12 and 15-17 are currently pending in the application.